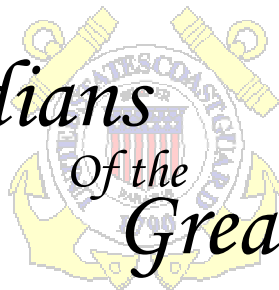


Guardians Of the Great Lakes



9th DISTRICT LOCAL NOTICE TO MARINERS 13/03 MONTHLY EDITION 2003 03 JUNE 2003

Issued by: Commander (oan)
Ninth Coast Guard District
1240 East Ninth Street,
Cleveland, OH 44199-2060
Telephone: (216) 902-6070

Numbers within brackets [/] refer to the LNM where information was first printed. Direct questions about this LNM to the above address. The Weekly Supplemental editions of the Local Notice to Mariners contain only information subsequent to the issue date of the Monthly edition. The Monthly edition of the Local Notice to Mariners contains all information relevant to the waterways within the Ninth Coast Guard District. This Monthly edition should be retained as a reference for subsequently issued Weekly Supplements.

District Nine Internet Address <http://www.uscg.mil/d9/wwm/oan>
** NIS watchstander, 24 hours a day at (703) 313-5900 ** **Internet Address** <http://www.navcen.uscg.gov/>
Light List Reference: Commandant Publication P16502.7, VOL VII, 2002 Edition / Coast Pilot Reference: 2002 U.S. Coast Pilot 6 Great Lakes 32nd Edition

The Local Notice to Mariners is available on the Internet at <http://www.navcen.uscg.gov/lnm/d9/default.htm>. By utilizing this, the Local Notice to Mariners will be available to you 7 days in advance. You will also have links to other government agencies' web pages including the US Army Corps of Engineers and the National Ocean Service.

REPORT DISCREPANCIES IN AIDS TO NAVIGATION TO THE NEAREST COAST GUARD UNIT

The Ninth District and all Group offices for their areas of responsibility issue a **BROADCAST NOTICE TO MARINERS**.

The following *Broadcast Notice to Mariners* have been incorporated into this week's Local Notice to Mariners:

Ninth District	C024-03 through C025-03	Group Buffalo, NY	B035-03 through B057-03
Group Detroit, MI	D107-03 through D137-03	Group Grand Haven, MI	G037-03 through G047-03
Group Milwaukee, WI	M044-03 through M051-03	Group Sault Ste Marie, MI	S081-03 through S088-03

I. SPECIAL NOTICES since LNM 09/03

USACE NOTICE TO NAVIGATION INTERESTS

The following Federal Channels have conditional surveys recently completed and can be seen at the USACE Detroit District web site at

<http://www.lre.usace.army.mil/OandM/o&m.html> and the USACE Buffalo District website at: <http://www.lrb.usace.army.mil/waterways/survey/2002data.html>

Port Sanilac, MI	Lexington Harbor, MI	Detroit River – St. Clair River, MI	Manistee Harbor, MI	Pentwater Harbor, MI
Presque Isle Harbor, MI	Ashland Harbor, WI	[10, 12, 13/03]		

GREAT LAKES - Great Lake Water Levels

The expected water levels on the Great Lakes for June 3, 2003. Connecting Channels and the St. Lawrence River, given in inches above (+) or below (-) Low Water Datum (LWD). LWD is a plane of reference used on a navigation chart. It is also known as chart Datum.

Great Lakes:

Lake Ontario +30, Lake Erie +24, Lake St. Clair +14, Lake Michigan-Huron -01, Lake Superior +01.

St Lawrence River:

Above Long Sault Dam +56, Above Iroquois Dam +42, Ogdensburg +40, Alexandria Bay +33, Head of River at Cape Vincent +30.

Detroit River

Lake Erie at Pelee Passage +24, Mouth of River at Gibraltar +21, Head of River above Belle Isle +15.

St. Clair River

Mouth of River at St. Clair Flats +15, Algonac +12, St. Clair +06, Blue Water Bridge +01, Head of River at Fort Gratiot -01, Lake Huron Approach Channel -01.

St. Marys River

Mouth of River at Detour -01, West and Middle Neebish +01, Head of Little Rapids +01, Below Locks +01, Above Locks +02, Head of River at Point Iroquois +01.

Available water depth is determined for a location by adding (if +) or subtracting (if -) the amount from the above to the water depth shown on National Oceanic and Atmosphere Administration (NOAA) navigational charts. Caution: Depths so determined are representative of a still water surface elevation, disturbed by neither wind nor other causes. Depth, however, may be reduced or increased as much as several feet for short periods of time due to these disturbances, or when sections of channels develop shoals. Vessel masters should refer to the Local Notice to Mariners for extent of shoaling and scattered bedrock projections in all channels. For further information direct inquiries to: Department of the Army, Detroit District Corps of Engineers P. O. Box 1027, Detroit, MI 48231, (313) 226-6443. Additional information can be found on the U.S. Army Corps of Engineers Information Center website at <http://superior.lre.usace.army.mil/levels/newchan.html>. [13/03]

Nautical Chart Updates

The National Ocean Service (NOS) has moved and expanded the function of its "critcorr" website. The new "Nautical Chart Updates" website allows the mariner to update their nautical charts from one database that includes information from NOS, the NIMA Notice to Mariners, the Coast Guard Local Notice to Mariners and the Canadian Coast Guard Notice to Mariners. To access the website and for more information go to: <http://chartmaker.ned.noaa.gov> and click on "Chart Updates". [13/03]

U.S. COAST PILOT 6 – 2003 (33rd) Edition – New Edition

PUBLICATION—National Ocean Service—U.S. Coast Pilot 6, Great Lakes, and their connecting waterways, and 2003 (33rd) Edition, is ready for issue and may be obtained from

Federal Aviation Administration
National Aeronautical Charting Office
Distribution Division, AVN-530
6303 Ivy Lane, Suite 400
Greenbelt, MD 20770-6325

and authorized sales agents of the National Ocean Service. Price \$26.00.

The 2003 Edition cancels the preceding 2002 Edition.

All corrections to the previous edition issued in Notices to Mariners are incorporated in this edition.

Mariners are encouraged to use the convenient “RECORD OF CHANGES” form on Page VI of this book. All Coast Pilot changes published in the U.S. Coast Guard Local Notice to Mariners, National Imagery and Mapping Agency Notice to Mariners, and on the Internet at <http://critcorr.ncd.noaa.gov> are serially numbered (i.e., Change No. 1, Change No. 2, etc.) to assist you in tracking the changes. [11/03]

U.S. COAST PILOT 6 – 2003 (33rd) Edition – Change No. 3

Change No. 3 to the U.S. Coast Pilot 6, Great Lakes 2003 33rd Edition can be found in Enclosure (3) or at the following web address: <http://critcorr.ncd.noaa.gov/> [13/03]

U.S. COAST PILOT 6 – 2003 (33rd) Edition – Change No. 4

Change No. 4 to the U.S. Coast Pilot 6, Great Lakes 2003 33rd Edition can be found in Enclosure (4) or at the following web address: <http://critcorr.ncd.noaa.gov/> [13/03]

DEPARTMENT OF HOMELAND SECURITY

The Department of Homeland Security (DHS) encourages the maritime public to report information concerning suspicious activity to their local Federal Bureau of Investigation (FBI) Joint Terrorism Task Force (JTTF) Office, www.fbi.gov/contact/fo/fo.htm, or to other appropriate authorities. Individuals can contact the DHS Watch and Warning Unit at (202) 323-3205, toll free at 1-888-585-9078, or by e-mail to NIPC.WATCH@FBI.GOV. The U.S. Coast Guard reminds the maritime industry that they may also report information concerning suspicious activity to the National Response Center (NRC) at 1-800-424-8802. [04/03]

LORAN-C OPERATIONS – LORSTA BAUDETTE – Baudette, MN

This is a proposal to authorize LORSTA BAUDETTE, Baudette, Minnesota (RATE 8290-W/8970-Y) unusable from 1300 GMT TO 1700 GMT 10 July 2003. The alternate time will be from 1300 GMT TO 1700 GMT 11 JULY 2003. Objections will be considered until 1600 GMT 03 JULY 2003. Users shall address inquiries to the Northeast U.S. LORAN-C Chain Operations Contron Officer (LT Luci Bookhammer) at (703) 313-5887. [12/03]

DGPS OFF-AIR APPROVAL – Youngstown, NY DGPS Site

Off airtime is approved for Youngstown, NY DGPS site to perform system groom. Off airtime is authorized for 08 Jul 2003 from 1300Z-1500Z. Alternate date and time is 09 Jul 2003 from 1300Z to 1500Z. [13/03]

NY STATE CANAL SYSTEM – NOTICE TO MARINERS – Erie Canal Re-opening Dates – Chart 14786

The Erie Canal from Lock 2 to Lock 9 has re-opened for navigation. Mariners are advised to proceed with caution as greater-than-normal currents and reduced bridge clearances may still be encountered. For information and updates, please call 1-800-4CANAL4, or visit the New York State Canal System web site, <http://www.canals.state.ny.us>. [13/03]

NY STATE CANAL SYSTEM – NOTICE TO MARINERS – Changes to Published Depth, Revision 2 – Chart 14786

The Changes to Published Depth Table, issued in a Notice to Mariners dated April 24, 2003 is revised as follows:

Erie Canal (east)

G= Green buoy/ daymark

R= Red buoy/ daymark

W= White daymark

Available Channel Depth

(each side and middle)

NOAA

Chart #

14786

	North	Middle	South	Page No.
R538 – R540	7	7	10	E-24
R568 – W577	7	7	7	E-23

Please insert this information into the Changes to Published Depth Table, available on the New York State Canal Corporation web site: www.canals.state.ny.us or by request at (518) 471-5016. Mariners are advised that this situation reduces the controlling depth from Waterford to Oswego to 7 feet. Navigational dredging in this area is scheduled to begin in July. For updates, please call 1-800-4CANAL4, or visit the New York State Canal System web site: www.canals.state.ny.us. [11/03]

NY STATE CANAL SYSTEM – NOTICE TO MARINERS – Reduction of Vertical Clearance – Chart 14786

The vertical clearance along the Erie Canal from Waterford to Three Rivers will be temporarily reduced during the 2003 navigation season at two locations due to bridge construction activities. For practical purposes, the controlling "normal pool" vertical clearance of 21 feet along this route will not be affected. At Bridge E-1 in Waterford, a containment structure will protrude two feet from the underside of the bridge. This temporary structure will reduce the clearance at normal pool from 25.89 feet to 23.89 feet, and maximum pool clearance from 20.22 feet to 18.22 feet. At Bridge E-3 in Waterford, a containment structure will protrude two feet from the underside of the bridge. This temporary structure will reduce the clearance at normal pool from 21.78 feet to 19.78 feet, and maximum pool clearance from 20.03 feet to 18.03 feet. However, the Canal Corporation intends to manipulate the Lock E-2 upper level in order to compensate for the reduction in vertical clearance. Mariners requiring vertical clearance greater than 18 feet should notify Lock E-2 by VHF marine band radio, or by phone at (518) 237-0810, at least 30 minutes prior to arrival. If no response, mariners are directed to contact the Waterford Canal Section office at (518) 233-8575. Mariners are advised that the lowering of the Lock E-2 upper pool could result in a reduction of available depth to as little as 11 feet on that level. Additionally, a small work barge will be on site during operations at Bridge E-3 Monday through Friday. This barge will be moored to a concrete bulkhead, and will not impede vessel traffic. However, commercial traffic giving 24 hours advance notice can request the temporary removal of this barge by calling (518) 471-5016. For updates and information, please call 1-800-4CANAL4, or visit the New York State Canal System web site: www.canals.state.ny.us. [11/03]

NY STATE CANAL SYSTEM – NOTICE TO MARINERS – Elevated Water Levels– Chart 14786

Recent rainfalls has elevated water levels on the Champlain Canal between the Champlain-Erie junction at Waterford and Lock C-7 on Fort Edward. Mariners are advised that increased water levels will reduce the available clearance below many bridges. Mariners requiring verticle clearance of 16 feet or greater are advised to call ahead to confirm clearance. Updates and changes in canal status will be posted on the New York State Canal System web site: www.canals.state.ny.us and available at 1-800-4CANAL4. [11/03]

NY STATE CANAL SYSTEM – NOTICE TO MARINERS – Changes to Published Depth, Revision 3 – Chart 14786

The Changes to Published Depth Table, issued in a Notice to Mariners dated April 24, 2003 is revised as follows:

Erie Canal (east)

G= Green buoy/ daymark	Available Channel Depth	NOAA
R= Red buoy/ daymark	(each side and middle)	Chart #
W= White daymark		14786

	North	Middle	South	Page No.
R568 – W577	7	14	7	E-23

Please insert this information into the Changes to Published Depth Table, available on the New York State Canal Corporation web site: www.canals.state.ny.us or by request at (518) 471-5016. Mariners are advised that this situation reduces the controlling depth from Waterford to Oswego to 7 feet. Navigational dredging in this area is scheduled to begin in July. For updates, please call 1-800-4CANAL4, or visit the New York State Canal System web site: www.canals.state.ny.us. [12/03]

LAKE ONTARIO – NY – Six Miles South of Stony Point to Port Bay (LORAN C) – Chart 14803

Cornell University will deploy ten buoys for scientific research during the following period: 01 May through 30 Sep 2003. All buoys are lighted (Fl White 4s) and are standard regulatory type, white with two orange horizontal bands. Each has a subsurface float approximately 1-2 meters below the surface. Attached to the ropes connecting the subsurface float and the lead weights will be numerous Thermistors. Buoys are located in the following positions 43-21-10N 76-42-40W in 18 feet of water Northwest of the entrance to Little Sodus Bay. The next four buoys are located inside Little Sodus Bay at: 43-20-37N 76-42-23W in 22 feet of water, 43-20-09N 76-42-39W in 29 feet of water and 43-19-51N 76-42-14W in 29 feet of water. Buoy six is located at 43-38-43N 76-12-16W in 20 feet of water just outside of North Pond and buoy seven is at 43-38-45N 76-11-02W in 17 feet of water in North Pond and buoy eight is at 43-37-26N 76-11-18W in 20 feet of water in South Pond. The remaining two buoys are used during storms only and will be placed 1 to 2 days prior to a storm and retrieved once the storm has passed. Both buoys are located in Blind Sodus Bay in position 43-20-18N 76-43-50W in 20 feet of water and 43-20-29N 76-43-30W in 10 feet of water. For further information contact Peter Rusello at 607-255-9237. [10/03]

LAKE ONTARIO – SOUTH HAVEN TO STONY LAKE (LORAN C) – Chart 14906

Great Lakes Environmental Research Lab will deploy two buoys for scientific research from 02 June until December 2003. Buoys are yellow spar (9 inches in diameter) with a flashing 4 second yellow light. Each buoy has scientific equipment mounted on a steel mooring line connected to subsurface floats 10 meters below the surface. Buoys are in the following locations 43-11.29N 86-32.16W in approximately 110 meters of water and 43-11.29N 86-25.92W in 45 meters of water. For further information contact Margaret Lansing at 734-741-2210. [11/03]

ST. CLAIR RIVER – Sarnia, Canada – Deflection Boom – Chart 14865

A deflection boom has been installed just below the CSX Basin. The boom is marked by a flashing yellow light. Mariners are requested to use caution when transiting the area. [11/03]

ST. CLAIR RIVER – Sarnia, Canada – Containment Boom – Chart 14865

An oil containment boom has been placed just north of the Dow Chemical Dock in Sarnia, Ontario. The boom is approximately 180 meters long and extends 91 meters off shore. The boom is marked with red flashing lights. All mariners are advised to use caution when transiting the area. [11/03]

ST. CLAIR RIVER – Fishing Nets Installation – Chart 14865

The U.S. Department of Fish and Wildlife have placed fishing nets in the following locations:

From 43-00.365N 082-24.839W to 43-00.342N 082-24.909W

From 43-00.423N 082-24.796W to 43-00.389N 082-24.857W

From 43-00.523N 082-24.798W to 43-00.485N 082-24.852W

From 43-00.583N 082-25.190W to 43-00.488N 082-25.207W

From 43-00.524N 082-25.141W to 43-00.483N 082-25.161W

All mariners are advised to use caution when transiting the area. [13/03]

LAKE HURON/LAKE MICHIGAN – Water Levels

Water levels in Lake Huron and Lake Michigan are approximately one (1) foot below the charted depth. All mariners are advised to exercise due caution when transiting through the harbors on Lake Michigan. [08/03]

LAKE MICHIGAN – Des Plaines, IL – No Wake Zone – Chart 14905

Mariners are advised to transit at a slow No Wake speed between MM 275 and MM279 of the Des Plaines River due to clean up operations. For further information, contact MSO Chicago at (630) 986-2175. [11/03]

LAKE MICHIGAN – Sheboygan, WI – Shoaling – Chart 14922

Shoaling has been reported in position 43-44-56"N, 087-42-09"W. All mariners are advised to use caution when transiting the area. [11/03]

LAKE MICHIGAN – Joliet Harbor – Des Plaines River – Down Bound Restrictions

Mariners are advised that effective immediately there is a restriction on down bound tow configurations in Joliet Harbor. Down bound tow configurations larger than the standard nine barges or 105 ft wide, 600 ft long, excluding towboat, are required to have an assist tug when transiting the Des Plaines River between the Ruby St Bridge MM 288.7 to the McDonough St Bridge MM 287.2 in Joliet. For further information contact MSO Chicago at (630) 986-2175. [09/03]

LAKE MICHIGAN – Leland Harbor Shoaling – Chart 14912

The Leland Harbor Master has reported shoaling in the vicinity of Leland Harbor Light 2 (LLNR 18335). The Shoaling extends approximately 50 yards SW and 10 yards NE of the Light. The water depth in the area has been reduced to approximately 3 feet. The following temporary aids have been established to mark shoal area: LELAND HARBOR SHOAL BUOY 2A (LLNR 1836) – 45-01-26.941N, 085-45-50.703W; and LELAND HARBOR SHOAL BUOY 2B (LLNR 18337) – 45-01-28.141N, 085-45-49.623W. Concerned traffic can contact the Leland Harbor Master on Channel 16 VHF-FM. Supersedes 09/03. [11/03]

LAKE MICHIGAN – Manistee Harbor Shoaling – Chart 14938

Mariners are advised to use caution when transiting in the vicinity of Manistee Harbor. The U.S. Army Corps of Engineers has conducted a survey and reports the depth of Manistee Harbor is reduced 15 ½ feet due to shoaling. Mariners are recommended to take appropriate actions to transit Manistee Harbor safely. [09/03]

II. DISCREPANCIES IN AIDS TO NAVIGATION as of 1000 Jun 03, 2003

This section lists all changes to discrepancies since Local Notice to Mariners 12/03. The following abbreviations are used:

B	Buoy	BKW	Breakwater	(C)	Canadian Aid
CH	Channel	DAM	Damaged	DAYBD	Dayboard
DBN	Daybeacon	DECOM	Decommissioned	DISCON	Discontinued
ENT	Entrance	ESTB	Established	EXT	Extinguished
FS	Fog Signal	HBR	Harbor	IMCH	Improper Characteristic
INOP	Inoperative	JCT	Junction	LB	Lighted Buoy
LBB	Lighted Bell Buoy	LGB	Lighted Gong Buoy	LHB	Lighted Horn Buoy
LIB	Lighted Ice Buoy	LT	Light	LWP	Left Watching Properly
OBST	Obstruction	OFFSTA	Off Station	(P)	Private Aid
PARSUB	Partially Submerged	PAROBSC	Partially Obscured	PHD	Pierhead
RBN	Radiobeacon	RAC	Racon	DIM	Reduced Intensity
RELDRG	Relocated for dredging	RELSHL	Relocated for Shoaling	RELCON	Relocated for Construction
RF	Range Front	RPTD	Reported	RR	Range Rear
(SLS)	St. Lawrence Seaway Devel Corp	SND CONT	Sounding Continuously	TRUB	Temporarily Replaced With A B
TRLB	Temporarily Replaced With A LB	TRLT	Temporarily Replaced With A Light	W/M	Winter Mark

A. RECENT DISCREPANCIES

LLNR	Name of aid	Status	Charts Affected	BNM Ref.	LNM Ref.
2100	OSWEGO HBR CNL LB 6 (P)	MISSING	14813		11/03
2155	PORT BAY ENTR LB 3	OFFSTA	14804		12/03
2516	YOUNGSTOWN SAFE BOATING ZONE LFLT B (P)	LT EXT	14816		13/03
3300	NIAGARA FALLS TRANSMISSION LINE LT C (P)	LT EXT	14832		13/03
3325	HOOKEE ELECTROCHEM CRIB LT (P)	LT EXT	14832		13/03
3850	LAKE CTY OUT PWI CRIB LB (P)	OFFSTA	14825		13/03
3870	FAIRPORT HBR W BKW LT	LT EXT	14825		01/03
4035	CLEVELAND INTAKE LB (P)	MISSING	14826	D125-03	13/03
4220	CLEVELAND HARBOR W BASIN CH LT 2	LT EXT/DBN DEST	14839	D029-02	02/02
4320	LORAIN HARBOR LT	LT EXT	14841	D393-02	39/02
4735	SANDUSKY BAY EXIT CH RR PASSING LT	LT EXT	14845		41/02
4975	COMMODORE BAY MARINA ENT LT 1 (P)	LT EXT/DBN DEST	14844	D132-03	13/03
4980	COMMODORE BAY MARINA ENT LT 2 (P)	LT IMCH/DBN DEST	14844	D132-03	13/03
5861	PORT CLINTON REG. WATER INTAKE CRIB LB (P)	LT EXT	14846	D134-03	13/03
5980	LONG BEACH ENT LT (P)	MISSING	14846	D116-03	12/03
6555	BOLLES HARBOR RR LT	LT EXT	14846	D137-03	13/03
10130	HARBOR BEACH LT	FS INOP	14862	D124-03	13/03
14625	MARQUETTE ROCKS B 1	MISSING	14970	S052-03	08/03
15175	COPPER HARBOR LT	LT DIM	14964	S034-03	05/03
15195	EAGLE HARBOR LT	LT EXT	14964	S084-03	12/03
17535	NAMAKAN LAKE LB 27	SOLAR PANEL MISSING	14994	S088-03	13/03
18705	MUSKEGON S BKW LT	FS IMCH	14934	G038-03	12/03
19505	SOUTH HAVEN S PIERHEAD LT	FS IMCH	14906	G047-03	13/03
19790	CHICAGO LAKE FRONT NE SHOAL LB 2	BUOYSINK	14927	M028-03	08/03
20355	ZION INTAKE LB A (P)	LT EXT	14904	M023-03	07/03
20500	RACINE HARBOR LT 5 (P)	LT EXT	14925	M046-03	12/03
20729	SOUTH SHORE PARK ENT LB 1 (P)	LT IMCH	14924	M042-03	11/03
20950	KEWAUNEE SHOAL LT	LT IMCH/LT DIM	14903	M192-00	33/00
20975	ALGOMA LT	FS INOP	14910	M033-03	08/03
22130	GREEN BAY HAROR ENT LT	FS IMCH	14918	M034-03	09/03

B. DISCREPANCIES CORRECTED

LLNR	Name of aid	Status	Charts Affected	BNM Ref.	LNM Ref.
1785	JOHNSON SHOAL LB 1	LWP	14811	B039-03	12/03
1890	BLACK RIVER ENT LB 2 (P)	LWP	14811	B048-03	12/03
2275	WEBSTER PARK BKW LT 1 (P)	LWP	14804	B044-03	12/03
4030	CLEVELAND WATERWORKS INTAKE CRIB LT (P)	LWP	14826	D110-03	12/03
4200	CUYAHOGARIVERABUTMENT LT (P)	LWP	14839	D114-03	12/03
4274	AVON LAKE LAUNCH BASIN LT 1 (P)	LWP	14826	D113-03	12/03
4275	AVON LAKE LAUNCH BASIN LT 2 (P)	LWP	14826	D113-03	12/03
4280	AVON LAKE LAUNCH BASIN BKW LT (P)	LWP	14826	D113-03	12/03
5035	SANDUSKY BAY CH B 1	LWP	14842	D122-03	12/03
6360	MAUMEE RIVER LB 63	LWP	14847	D121-03	12/03
6410	WALBRIDGE PARK RF LT (P)	LWP	14846	D115-03	12/03
6415	WALBRIDGE PARK RR LT (P)	LWP	14846	D115-03	12/03
8395	BELLE ISLE N CH B 6	LWP	14848	D117-03	12/03
8410	PECHE ISLAND RR LT	LWP	14853	D123-03	12/03
15845	DULUTH HARBOR S BKW OUTER LT	LWP	14975	S-065-03	09/03
18530	LUDINGTON N BKW LT	LWP	14907	G039-03	12/03
18965	GRAND HAVEN S PIERHEAD ENT LT	LWP	14933	G044-03	12/03
19415	LAKE MACATAWA B 17	LWP	14932	G043-03	12/03
20495	RACINE WEST HARBOR ENT LT 3 (P)	RELIGHTED	14925	M038-03	10/03

III. TEMPORARY CHANGES IN AIDS TO NAVIGATION

A. TEMPORARY CHANGES

LLNR	Name of aid	Status	Charts Affected	BNM Ref.	LNM Ref.
6450	LUNA PIER MARINA BKW LT 1	DISCON	14846	D224-01	23/01
6455	LUNA PIER MARINA BKW LT 2	DISCON	14846	D224-01	23/01
7750	MAMAJUDA LT	DISCON	14848	D020-97	15/97
10310	PORT AUSTIN B 7	REMVD WATER LEVEL	14863		13/03
11900	MULLET LAKE LT 24	TR LB	14886	S072-01	12/01
11915	MULLET LAKE LT 24A	TR LB	14886	S072-01	12/01
12100	BURT LAKE OBSTR DAYBEACON	TR UB	14886	S094-01	16/01
12500	MUSCALLONGE BAY LB 29	TRUB	14885	S077-03	11/03
12510	CEDARVILLE W CH LB 31	TRUB	14885	S077-03	11/03
14540	LITTLE LAKE HARBOR LT 2	DISCON	14962	S046-03	06/03
14710	BIG BAY POINT B 1	REMVD ICE	14963		10/03
14740	POINT ABBAYE SHOAL BELL B 3	REMVD ICE	14964		10/03
14775	KEWEENAW WWY LB 1	REMVD ICE	14972		10/03
14780	KEWEENAW WWY LB 3	REMVD ICE	14972		10/03
14785	KEWEENAW WWY LB 4	REMVD ICE	14972		10/03
16470	ST LOUIS RIVER B 79	RELHL	14975	S069-03	10/03
16475	ST LOUIS RIVER B 80	RELHL	14975	S069-03	10/03
16480	ST LOUIS RIVER B 81	RELHL	14975	S069-03	10/03
17079.1	FOUR MILE BAY B 7	ESTB	14999		12/02
18290	DUNCAN L CLINCH YACHT HARBOR LT	DISCON	14913	S-144-02	31/02
19051	GRAND RIVER B 15A	ESTB	14933		05/02
21591	LITTLE FISHDAM RIVER ACCESS LT	DISCON	14908	M050-01	09/02
21791	CEDAR RIVER ENT B 2A	ESTB	14909		09/02
21792	CEDAR RIVER ENT B 2B	ESTB	14909		09/02

B. RECENT TEMPORARY CHANGES CORRECTIONS

LLNR	Name of aid	Status	Charts Affected	BNM Ref.	LNM Ref.
NONE.					

IV. CHART CORRECTIONS since LNM 12/03

Corrective action affecting charts is contained in this section. Chart corrections are listed numerically by chart number. The correction listed pertains to that chart only. It is up to the mariner to decide what charts are to be corrected. The following example explains the individual elements of a typical correction.

Chart number	Chart edition	Edition date	Last Local Notice to Mariners	Reference datum	Source Agency of correction	Current Notice to Mariners
14922	17th ed. MANITOWOC AND SHEBOYGAN HARBORS	4/25/92	Last LNM 12/93	NAD 83	(CGD9)	17/93
	Change	Manitowoc South Breakwater Light to "3" Fl G 2.5s, 37ft 8 StM			44°05'29.00"N	087°38'37.00"W
	Corrective action	Object of corrective action			Position	

The letter (M) immediately following the chart number indicates that the correction should be applied to the metric side of the chart only. (Temp) indicates that the chart correction action is temporary in nature. Courses and bearings are given in degrees clockwise from 000° true. Bearings of light sectors are toward the light from lakeward.

14830	29th ed. WEST END OF LAKE ERIE (LORAN C)	6/23/01	Last LNM 12/03	NAD 83	(CGD9)	13/03
	Delete: Cable symbol from:				41°45'43.56"N	083°19'41.52"W
		to:			41°47'37.56"N	083°26'34.44"W
14833	25th ed. BUFFALO HARBOR	5/24/97	Last LNM 12/03	NAD 83	(CGD9)	13/03
	Cancel correction for 10/03					
14846	11th ed. WEST END OF LAKE ERIE	3/17/01	Last LNM 09/03	NAD 83	(CGD9)	13/03
	Delete: Cable symbol from:				41°27'29.10"N	083°26'09.50"W
		to:			41°47'37.56"N	083°26'34.44"W
14847	30th ed. TOLEDO HARBOR	10/30/99	Last LNM 09/03	NAD 83	(CGD9)	13/03
	Inset: Entrance Channel					
	Delete: Cable symbol from:				41°45'43.56"N	083°19'41.52"W
		to:			41°46'24.50"N	083°22'16.70"W
14883	42nd ed. ST MARYS RIVER-MUNUSCONG LAKE TO SAULT STE MARIE	8/28/99	Last LNM 14/02	NAD 83	(CGD9)	13/03
	Change to: Q G 32ft 4 St M "33"				46°17'10.10"N	084°12'50.19"W

14905	29th ed. 4/7/01	Last LNM 35/02	NAD 83	(CGD9)	13/03
WAUKEGAN TO SOUTH HAVEN (LORAN C)					
Rename &					
Relocate Morgan Shoal B "2" to R "2" Fl R 2.5s to:				41°48'38.60"N	087°34'27.90"W
14926	9th ed. 4/28/01	Last LNM 10/03	NAD 83	(CGD9)	13/03
(SC) CHICAGO AND SOUTH SHORE OF LAKE MICHIGAN					
Rename &					
Relocate Morgan Shoal B "2" to R "2" Fl R 2.5s to:				41°48'38.60"N	087°34'27.90"W
14927	24th ed. 02/02/02	Last LNM 20/02	NAD 83	(CGD9)	13/03
CHICAGO LAKE FRONT (LORAN C)					
Rename &					
Relocate Morgan Shoal B "2" to R "2" Fl R 2.5s to:				41°48'38.60"N	087°34'27.90"W
14965	21st ed. 01/03	Last LNM 01/03	NAD 83	(NOS NW 6602)	13/03
REDRIDGE TO SAXON HARBOR (LORAN C)					
Insets: Saxon Harbor, Wisconsin					
Substitute depth legend to: 7 FT JUNE 2002 centered at:				46°33'41.20"N	090°26'18.10"W
depth legend to: 8 1/2 FT JUNE 2002 centered at:				46°33'45.00"N	090°26'16.50"W
Add 5 ft sounding at:				46°33'41.60"N	090°26'17.80"W
6 ft sounding at:				46°33'40.70"N	090°26'16.00"W
8 ft sounding at:				46°33'45.00"N	090°26'17.00"W
8 ft sounding at:				46°33'45.90"N	090°26'17.00"W
14966	26th ed. May 2003	Last LNM 09/03	NAD 83	(NOS NW 6624)	13/03
LITTLE GIRLS POINT TO SILVER BAY (LORAN C)					
Insets: Port Wing, Wisconsin					
Change depth legend to: 13 1/2 FT OCT 2002 centered at:				46°47'31.50"N	091°23'11.00"W
depth legend to: 6 FT OCT 2002 centered at:				46°47'27.10"N	091°22'59.90"W
Delete 2 ft sounding at:				46°47'24.90"N	091°23'11.00"W
4 ft sounding at:				46°47'25.40"N	091°23'11.20"W
4 ft sounding at:				46°47'25.30"N	091°23'10.40"W
5 ft sounding at:				46°47'27.20"N	091°23'03.50"W
Substitute 5 ft sounding for 6 ft at:				46°47'27.30"N	091°22'54.00"W
14973	27th ed. 02/03	Last LNM 01/03	NAD 83	(NOS NW 6604)	13/03
APOSTLE ISLANDS					
Insets: Bayfield Harbor, Wisconsin					
Change depth legend to: 8 FT OCT 2002 centered at:				46°48'36.20"N	090°48'42.70"W
Delete 7 ft sounding at:				46°48'35.40"N	090°48'47.60"W
5 ft sounding at:				46°48'36.30"N	090°48'47.20"W
Add 4 ft sounding, depth curve and blue tint at:				46°48'39.80"N	090°48'42.00"W
5 ft sounding at:				46°48'36.00"N	090°48'47.40"W
Substitute 7 ft sounding for 8 ft at:				46°48'37.00"N	090°48'46.70"W

V. ADVANCE NOTICE OF CHANGES TO AIDS TO NAVIGATION since LNM 01/02

NONE.

VI. PROPOSED CHANGES IN AIDS TO NAVIGATION since LNM 09/03

LAKE ERIE – Oswego Harbor, Buffalo Harbor, and Fairport Harbor - Chart 14820

The Coast Guard is proposing to change the fog signal commissioning and decommissioning dates from April 1st and December 1st, to May 15th and October 15th, for Oswego Harbor Light (LLNR 2080), Buffalo Harbor Light (LLNR 2680), and Fairport Harbor West Breakwater Light (LLNR 3870). [09/03]

LAKE MICHIGAN - Lake Macatawa, Chart 14932

The Coast Guard is proposing to change the flashing characteristics of the following buoy's in Lake Macatawa: Lake Macatawa Lighted Buoy 1 - from Fl G 4s to Fl G 2.5s; Lake Macatawa Lighted Buoy 6 - from Fl R 4s to Fl R 6s; Lake Macatawa Lighted Buoy 10 - from Fl R 4s to Fl R 2.5s; and Lake Macatawa Lighted Buoy 16 - from Fl R 4s to Fl R 2.5s. This change will better serve the mariner when trying to identify the buoys in Lake Macatawa. [09/03]

LAKE MICHIGAN - Big Bay, Chart 14932

The Coast Guard is proposing to change Big Bay Buoy's 1 and 2 to lighted buoys. Each will have a flashing 6 second characteristic. [09/03]

Lake George, Potagannissing Bay, Les Cheneaux Islands – Charts 14885, 14883, 14882, 14881

The Coast Guard is proposing to add Lights to the following buoys:

East Neebish Island B 9	LLNR 13790	Quick Flashing Green
East Neebish Island B 13	LLNR 13805	Flashing Green 4 seconds
Lake George Ch B 6	LLNR 13850	Flashing Red 2.5 seconds
Lake George Ch B 9	LLNR 13865	Flashing Green 2.5 seconds
Sugar Island B 6A	LLNR 13915	Quick Flashing Red
Wreck Island B 6	LLNR 12715	Flashing Red 2.5 seconds
Grape Island B 10	LLNR 12753	Flashing Red 4 seconds
Les Cheneaux Middle Entrance B 5	LLNR 12340	Flashing Green 2.5 seconds
Les Cheneaux Middle Entrance B 10	LLNR 12355	Quick Flashing Red
Mackinac Bay Pass B 10	LLNR 12410	Flashing Red 2.5 seconds
Cedarville CH B 10	LLNR 12305	Quick Flashing Red
Cedarville CH W B 33	LLNR 12520	Quick Flashing Green [12/03]

VII. GENERAL NOTICES

LAKE MICHIGAN – Straits of Mackinac – Hydrographic Survey/Maintenance – Chart 14881

Onyx Special Services, Inc. will be conducting hydrographic survey and maintenance 1 mile west of Mackinac Bridge. Operations will run from June 04, 2003 till June 30, 2003 from 0700 to 1900. The vessel MISS GEODOSY can be contacted via channels 16 and 19 VHF-FM. Mariners are advised to exercise caution upon approach. While in operation the survey vessel is not able to give way. Vessel may be towing data cable/ towfish of up to 200 meters in length. For further information, contact Trent Nedens at (920) 960-6053. [13/03]

LAKE MICHIGAN – Straits of Mackinac – Multi-Beam Bathymetric Surveying – Chart 14881

Onyx Special Services and Durocher Marine will be conducting multi-beam bathymetric surveying 1.5 miles west of Mackinac Bridge. Operations will commence June 4, 2003 till June 8, 2003 from sunrise to sunset, 7 days a week. The vessel TIMMY can be contacted via channel 16 VHF-FM radio. Vessels should maintain a "No Wake Zone" within 1,000 feet of the survey vessel. The survey vessel must stay on course during survey operations – vessels are asked to avoid courses which would require the survey vessel to change course when possible. Surveys are being conducted of crude oil likens running north to south approximately 1.5 miles west of the Mackinac Bridge. For further information, contact Trent Nedens at (920) 960-6053. [13/03]

LAKE MICHIGAN – Grand Haven, MI – Bridge Closures for Special Events, Chart 14933

The U.S. 31 bridge, mile 2.89 over Grand River in Grand Haven, MI, will be secured to masted navigation between the hours of 2230 on July 4 and 0100 on July 5, 2003, for the Fourth of July Fireworks display, and again between 2230 on August 2 and 0100 on August 3, 2003, for the Coast Guard Festival Fireworks display. [13/03]

USACE NOTICE TO NAVIGATION INTERESTS – LAKE SUPERIOR – Ashland, WI – Maintenance – Chart 14973

Effective immediately and continuing until about 29 June 2003, the U.S. Army Corps of Engineers' derrick barge SCHWARTZ and attending plant will be performing maintenance work on the Federal Navigation channel (breakwater repair) at Ashland Harbor, Wisconsin. Vessel operators should reduce speed and use extreme caution when navigating in this area while work is in progress. The derrick barge can be contacted via channel 16 VHF-FM radio. Hours of operation are 0700-1730, 7 days a week. All inquiries should be addressed to CELRE-OT-T and should refer to Notice to Navigation Interests No. L03-25. Internet address: <http://www.lre.usace.army.mil> Go to: Detroit Home Page, Who Are We, Operations Home Page. [13/03]

SUMMARY OF DREDGING/CONSTRUCTION OPERATIONS IN EFFECT

The LNM column is where the entry originally appeared and where detailed information may be obtained. The dates listed for completions are tentative.

<u>Location</u>	<u>LNM</u>	<u>Subject</u>	<u>Hours / Days</u>	<u>Until</u>
<u>LAKE ONTARIO</u>				
Rochester, NY	01/02	BRIDGE CONSTRUCTION	0700-1630/ M-F	THROUGH 2003
<u>LAKE ERIE</u>				
Buffalo Harbor, NY	05/02	BRIDGE MAINTENANCE	24 HRS/ 7 DAYS A WK	THROUGH 2003
Buffalo Harbor, NY	09/02	BRIDGE MAINTENANCE	24 HRS/ 7 DAYS A WK	MAY 2004
Cleveland, OH	01/03	PILE DRIVING/ TRENCH EXCAVATIONS	24 HRS/ 7 DAYS A WK	15 JUN 03
Toledo, OH	14/02	BRIDGE CONSTRUCTION	24 HRS/ 7 DAYS A WK	THROUGH 2003
Toledo, OH	01/03	BRIDGE PIER REHABILITATION	24 HRS/ 7 DAYS A WK	THROUGH 2003
Lorain, OH	05/03	EAST PIER REPAIRS	0700-1800/M-SAT	30 SEPT 03
Cleveland, OH	11/03	PILE DRIVING, EXCAVATION, ETC.	24 HRS/ 7 DAYS A WK	DEC 2004
<u>LAKE ST. CLAIR</u>				
Alexander/Lavon Canal	07/03	DREDGING	0700-1900/M-SAT	15 JUN 03
<u>ST. CLAIR RIVER</u>				
Walpole Island	07/03	DIVING OPERATIONS	0700-SUNSET/ M-F	TBD
<u>LAKE HURON</u>				
Lake Huron to Lake Erie	01/03	OBSTRUCTION REMOVAL / SURVEY OPERATIONS	0700-1900/ M-F	THROUGH 2003
<u>LAKE MICHIGAN</u>				
St. Joseph-Benton Harbor, MI	01/03	BRIDGE CLOSURE FOR SPECIAL EVENT	2200-0100/ 04-05 JUL 05	05 JUL 03
St. Joseph-Benton Harbor, MI	01/03	BRIDGE CLOSURE FOR SPECIAL EVENT	2300-0230/ 18-19 JUL 03	19 JUL 03
Covert Generating Company, MI	05/03	DREDGING, DIVING, AND CONSTRUCTION	24 HRS/ 7 DAYS A WK	31 JUL 03
Traverse City, MI	07/03	BREAKWALL CONSTRUCTION	0600-2000/ M-SAT	15 JUN 03
Ontonagon Harbor, MI	10/03	HYDRAULIC DREDGING	24 HRS/ 7 DAYS A WK	30 JUN 03
Milwaukee Harbor, WI	07/03	BRIDGE MAINTENANCE/CLOSURE	0800-1400/ VARIOUS	16 SEP 03
Two Rivers, WI	08/03	BREAKWALL RECONSTRUCTION	0500-2300/ 7 DAYS A WK	30 AUG 03
Milwaukee, WI	BNM 10-03	BRIDGE DEMOLITION AND CONSTRUCTION	0600-1800/ M-F	THROUGH 2003
Milwaukee, WI	01/03	BRIDGE CLOSURE FOR SPECIAL EVENT	1730-2330/ 30 MAY-01 JUN 03	01 JUL 03
Milwaukee, WI	01/03	BRIDGE CLOSURE FOR SPECIAL EVENT	2300-0100/ 26 JUN-06 JUL 03	06 JUL 03
Milwaukee, WI	01/03	BRIDGE CLOSURE FOR SPECIAL EVENT	1100-1800/ 13 JUL 03	13 JUL 03
Milwaukee, WI	01/03	BRIDGE CLOSURE FOR SPECIAL EVENT	2200-2400/ 18-20 JUL 03	20 JUL 03
Racine Harbor, WI	02/03	BRIDGE CLOSURE FOR SPECIAL EVENT	0730-1030/ 21 JUN 03	21 JUN 03
Chicago, IL	03/03	BRIDGE CLOSURES FOR SPECIAL EVENTS	0600-1200/ 24 AUG 03	24 AUG 03
Chicago, IL	03/03	BRIDGE CLOSURES FOR SPECIAL EVENTS	0430-1130/ 12 OCT 03	12 OCT 03
Chicago, IL	08/03	CONSTRUCTION BARGE	24 HRS/ 7 DAYS A WK	TBD
Calumet Harbor, IL	19/01	VESSEL REPORTING PROCEDURES	24 HRS/ 7 DAYS A WK	THROUGH 2003
Calumet, IL	01/03	BRIDGE MAINTENANCE/ CLEARANCE REDUCTION	24 HRS/ 7 DAYS A WK	30 NOV 03
Calumet, IL	12/03	BRIDGE MAINTENANCE/ CLEARANCE REDUCTION	0600-1800/ 7 DAYS A WK	15 JUN 03
Calumet, IL	12/03	BRIDGE MAINTENANCE/ CLEARANCE REDUCTION	24 HRS/ M-SAT	13 JUN 03
Bridgeman, MI	11/03	DIVING OPERATIONS	24 HRS/ 7 DAYS A WK	15 AUG 03
Straits of Mackinac	13/03	HYDROGRAPHIC SURVEY/MAINTENANCE	0700-1900/ M-F	30 JUN 03
Straits of Mackinac	13/03	MULTI-BEAM BATHYMETRIC SURVEY	SUNRISE-SET/ 7 DAYS A WK	08 JUN 03
Grand Haven, MI	13/03	BRIDGE CLOSURE FOR SPECIAL EVENT	2230-0100/ 4-5 JUL 03	05 JUL 03
Grand Haven, MI	13/03	BRIDGE CLOSURE FOR SPECIAL EVENT	2230-0100/ 2-3 AUG 03	03 AUG 03
<u>LAKE WINNEBAGO</u>				
Oshkosh, WI	11/03	WATER INTAKE INSTALLATION	24 HRS/ 7 DAYS A WK	30 NOV 03

Location	LNM	Subject	Hours / Days	Until
ST. MARYS RIVER				
Vidal Shoals, MI	09/03	DREDGING, SHOAL REMOVAL	24 HRS/ 7 DAYS A WK	15 JUL 03
LAKE MICHIGAN				
Ashland, WI	13/03	MAINTENANCE	0700-1730/ 7 DYAS A WK	TBD

GREAT LAKES - GENERAL - MARINE EVENTS

Events listed below are those events that do not have accompanying special local regulations. Mariners transiting these areas are not required to contact the U.S. Coast Guard, but are asked to exercise caution when navigating through the area of the event.

Location	Events	Dates	Time (Local)
LAKE ERIE			
Toledo, OH	Toledo YC Mills Trophy race	June 06-07	1730(06)-1200(07)
Sandusky, OH	WAL-MART Bass Fishing League	June 07	0600-1400
Sandusky, OH	Sandusky Sail Club Junior Regatta	June 14	0900-1700
DETROIT RIVER			
Fighting Island	Fighting Island Fireworks	Junes 06 (Rain Date June 07)	2130-2230
Detroit, MI	Detroit YC I.S.C.A. Championship	June 07	0900-1700
Riverview, MI	River View YC Venetian Parade	June 07	0900-1200
Belle Isle, MI	Opening of the Island	June 07	1330-1530
Belle Isle, MI	Crawford Armstrong Handicapped Day	June 14	0900-1600
Belle Isle, MI	DBC Rowing Regatta	June 14, June 22	0700-1400
LAKE ST. CLAIR			
Grosse Pointe, MI	GPYC I.C.S.A. Championship	June 02-07	0900-1700
Fair Haven, MI	WAL-MART RCL Walleye Circuit	June 07	0700-1630
Jefferson, MI	Jefferson YC Fleet Blessing	June 07	0900-1100
Lake St. Clair	Great Lakes YC Single/Double-handed Regatta	June 07	1000-1700
Grosse Pointe, MI	City of Grosse Pointe Swim	June 08	0700-1200
Bayview, MI	Bayview YC I.C.S.A. Championship	June 08-10	0900-1700
Windsor, ONT	Windsor YC Overnight Race	June 13	1830-0400
Grosse Pointe Shores, MI	Celebrate America Fireworks	June 14	2200-2300
Bayview, MI	Bayview YC Fleet Review	June 15	1230-1500
LAKE HURON			
Port Huron, MI	Port Huron YC Kettle Point Race	June 07	1200-2100
Harbor Beach, MI	Great Lakes Professional Angling Association Tournament Series	June 07-08	0500-1400
Port Huron, MI	Port Huron YC Spring Series	June 08	1200-1600
Port Huron, MI	Port Huron YC Spring Series	June 15	1200-1600
Saginaw Bay, MI	Saginaw Bay YC Fleet Blessing	June 15	1130-1300
LAKE MICHIGAN			
Chicago, IL – Michigan City, IL	Annual Chicago to Michigan City Yacht Race	June 07	0800-2100

VIII. LIGHT LIST CORRECTIONS, VOL VII, GREAT LAKES since LNM 12/03

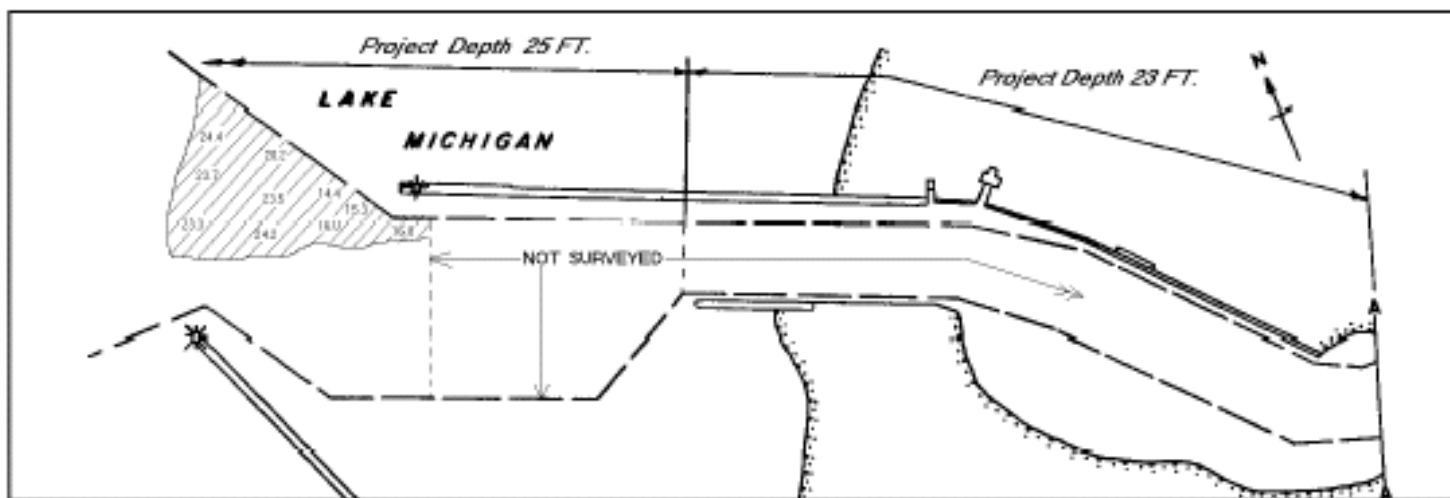
(* Denotes the column in which a correction has been made or new information added.)

(1) No.	(2) Name and location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
16850	NOAA Lighted Weather Buoy 45004	47 34 19 N 86 32 59 W *	FI (4) Y 20s			Yellow disc-shaped hull with tripod mast.	Replaced by nun from Nov. 1 To Apr. 1. 13/03
16880	NOAA Lighted Weather Buoy 45001	48 04 19 N 87 46 35 W *	FI (4) Y 20s 1s fl 1.5s ec. 1s fl 1.5s ec. 1s fl 1.5s ec. 1s fl 11.2s ec.			Yellow disc-shaped hull with tripod mast.	Replaced by nun from Nov. 1 To Apr. 1. 13/03
19445	-SOUTH PIERHEAD LIGHT	42 40 36 N 86 12 54 W	FI R 4S	30 9	7	Cylindrical structure with red band.	HORN: 1 blast ev 15s (2s bl). Maintained from Apr. 15 to Nov. 15. Operates by keying microphone 5 times on VHF channel 79. * 13/03
19920	Morgan Shoals Lighted Buoy 2 *	41 48 39 N 87 34 28 W *	FI R 2.5s *			Red. *	Maintained from Apr. 1 to Nov. 1. 13/03

IX. ENCLOSURES

- (1) Notice to Navigation Interests – Manistee Harbor, MI – Shoaling
- (2) Notice to Navigation Interests – Presque Isle Harbor, MI – Shoaling
- (3) U.S. Coast Pilot 7, Great Lakes 2003 33rd Edition – Change No. 3
- (4) U.S. Coast Pilot 7, Great Lakes 2003 33rd Edition – Change No.4
- (5) Straits of Mackinac Survey Chartlets

Ronald F. Silva
Rear Admiral, U. S. Coast Guard
Commander, Ninth Coast Guard District



All soundings are referenced to IGLD, 1985 for Lake Michigan, elevation 577.5 ft. above mean sea level at Rimouski, Quebec. Hydraulic corrector of 0.3 ft. applied.

The information depicted on this map represents the results of surveys made on the date indicated and can only be considered as indicating the general conditions existing at that time.

Encl: 13/03



Shoals indicate least available depth below I.G.L.D.

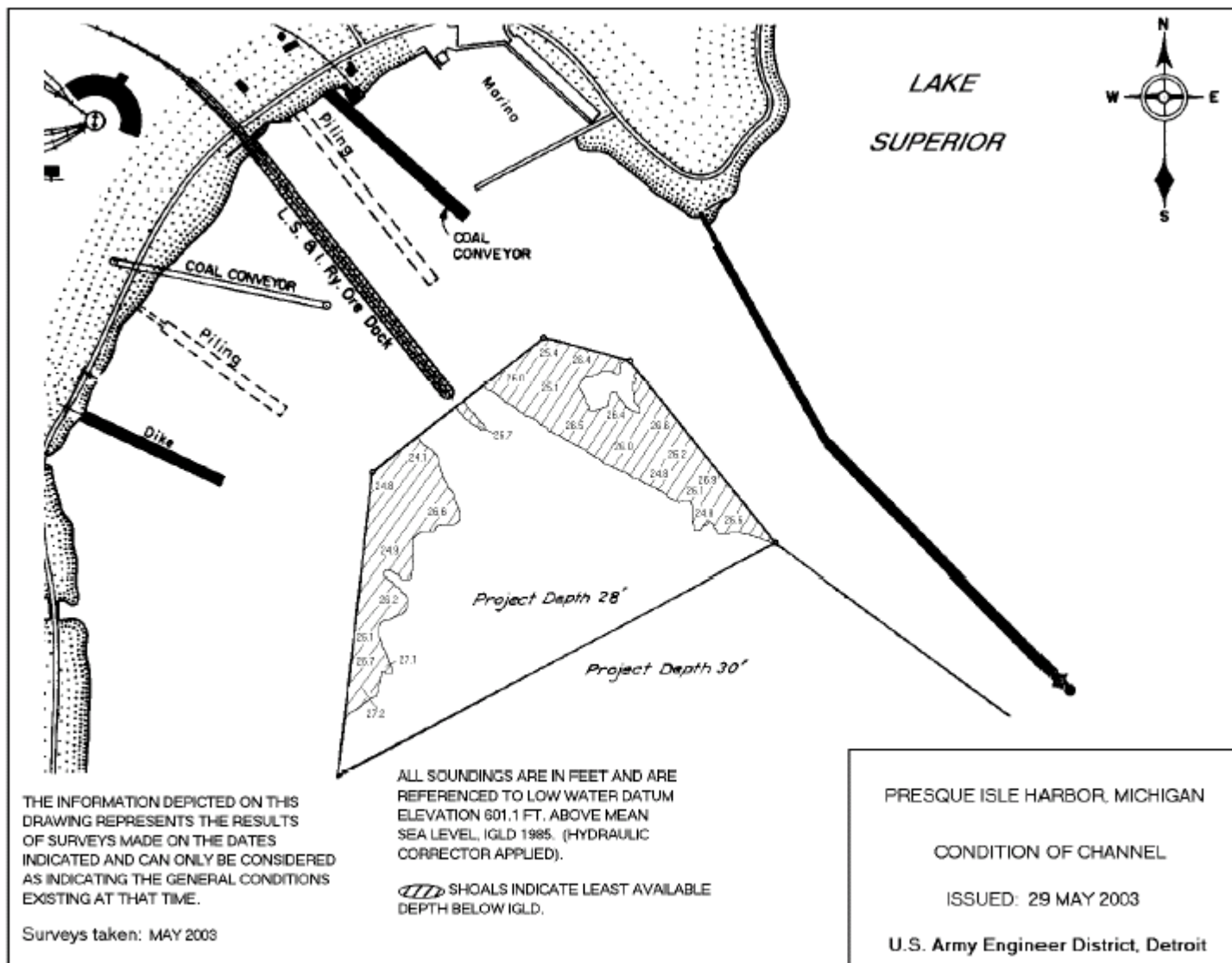
Surveys taken: APRIL 2003

MANISTEE HARBOR, MICHIGAN

CONDITION OF CHANNEL

ISSUED: 27 MAY 2003

U.S. Army Engineer District, Detroit



Publication--National Ocean Service--U.S. Coast Pilot 6, and their connecting waterways, 2003 (33rd) Edition. Change No. 03.

Coast Pilot 6 33rd Ed 2003

Corrections

Page 31-Paragraph 446, line 2 through
Paragraph 448, read:
charts.

(NOS/03)

Page 527-Paragraph 24, read:
Distances between United States
Ports (available on the internet only
at
<http://chartmarker.ncd.noaa.gov/nsd/ports.html>.)

(01/03 CG7)

Publication--National Ocean Service--U.S. Coast Pilot 6, and their connecting waterways, 2003 (33rd) Edition. Change No. 04.

Coast Pilot 6 33rd Ed 2003

Corrections

Page 194-Paragraph 184, lines 9-14;
read:
breakwater and the jetties. In August
2002, the controlling depths were 4.1
feet in the E approach channel and 4.5
feet in the W approach channel, thence
5.2 feet between the jetties to the
harbor basin, thence 6.6 to 8.0 feet in
the basin.

(BP 179441; CL 2073/02)

Page 314-Paragraph 114, line 1; read:

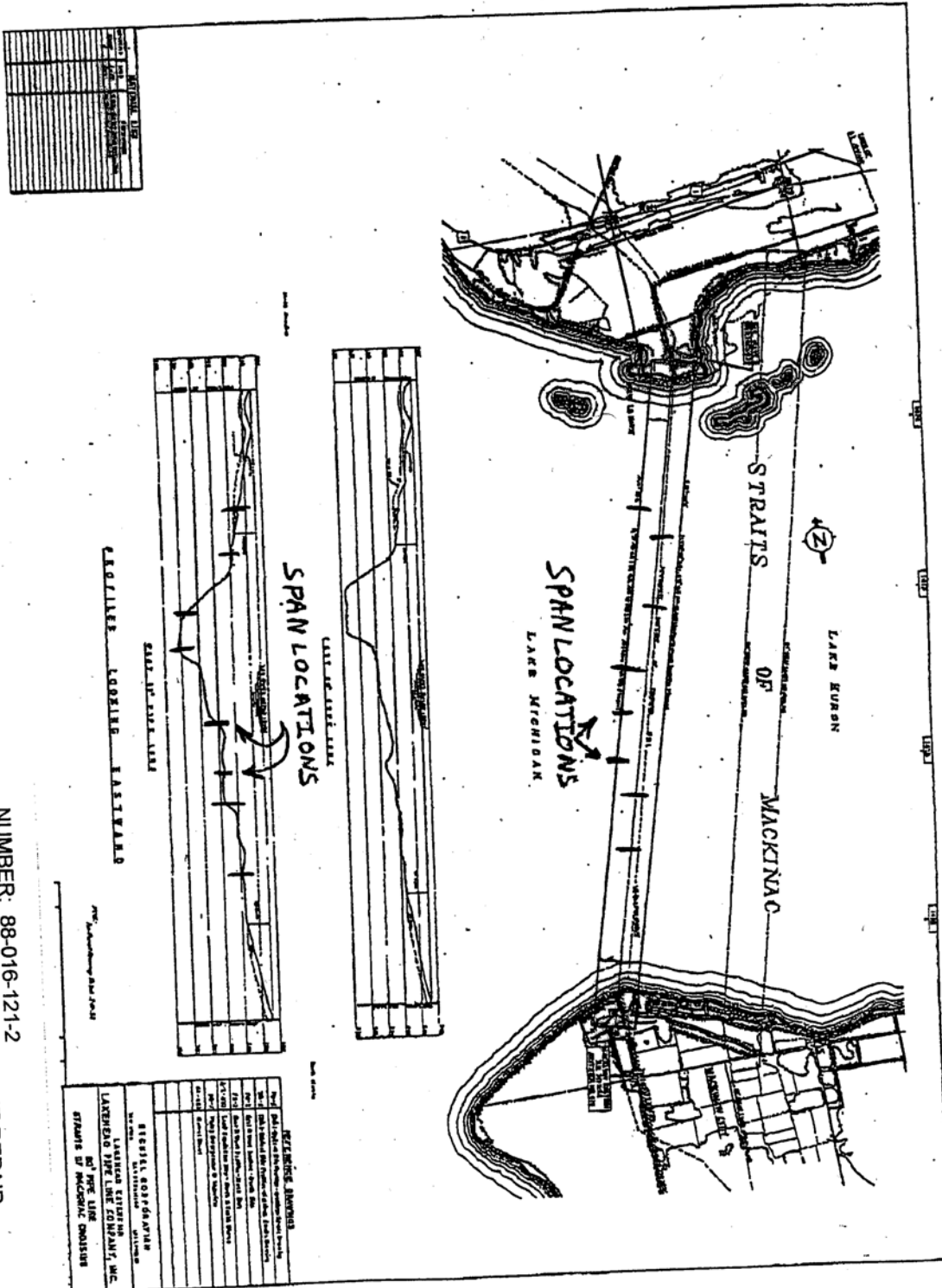
Channels

A dredged entrance channel ...
(38/02 CG9; LL/02; LL/03)

Page 346-Paragraph 59, lines 6-10;
read:
large riprap stones along the sides,
and end. In 2002, reported depths in
the harbor were 9 feet along the outer
ends of the municipal piers, thence 7.5
feet in the NE basin and 6.4 feet in
the SW basin.

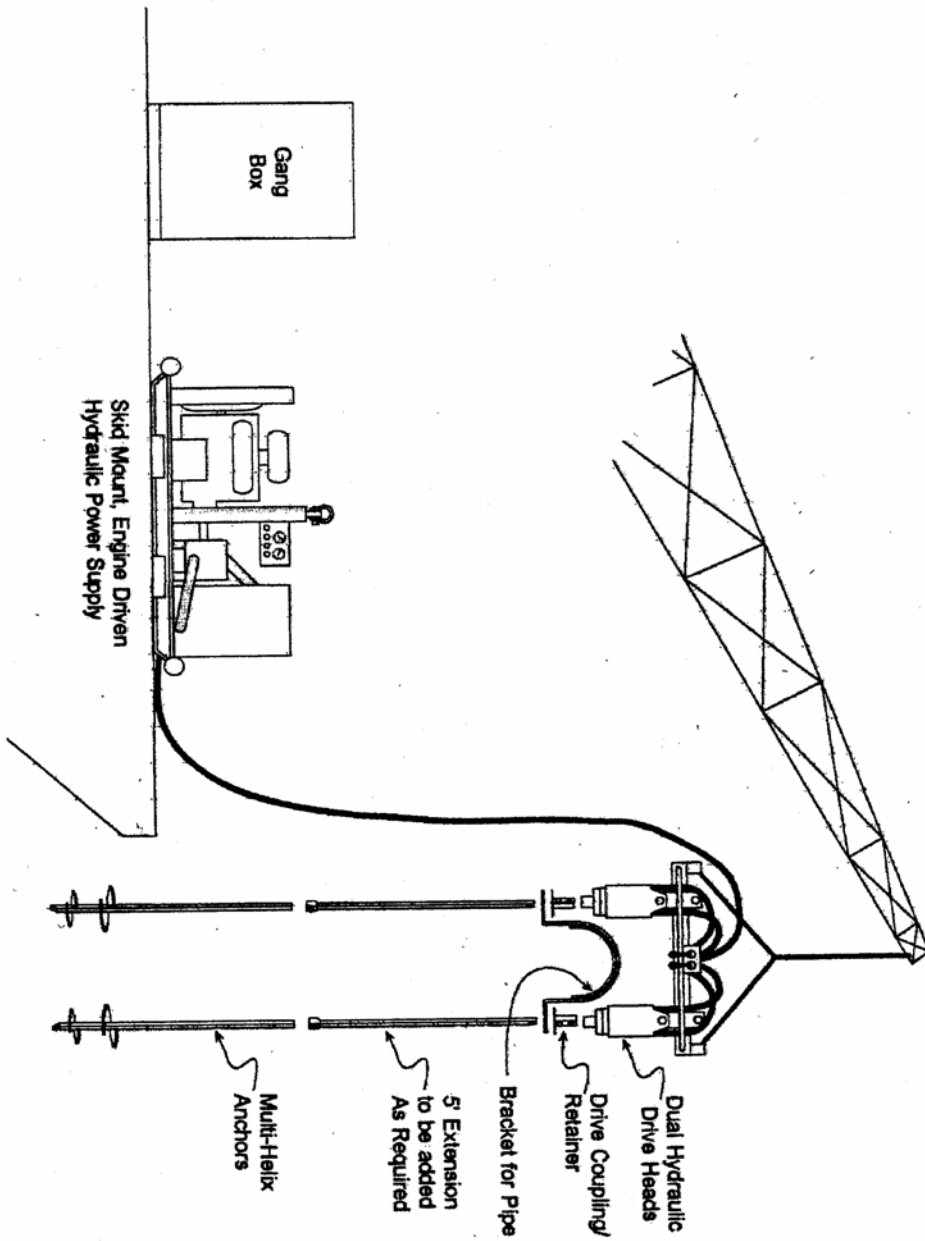
(BP 180549; CL 815/03)

Page 504-Paragraph 324: Delete.
(CL 2176/02)



NUMBER: 88-016-121-2
 ENBRIDGE ENERGY-PIPELINE REPAIR
 Lake Huron, St. Ignace
 MACKINAC County, MICHIGAN
 SHEET 2 OF 4

"Building Value Together"



NUMBER: 88-016-121-2
ENBRIDGE ENERGY-PIPELINE REPAIR
Lake Huron, St. Ignace
MACKINAC County, MICHIGAN
SHEET 3 OF 4

